C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.aa V1 Blockhouse Sweep Checklist

C-A-OPM Procedures in which this Attachment is used.		
4.56		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
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Approved: _____***Signature on File***_____ _____
Collider-Accelerator Department Chairman   Date

P. Ingrassia

V1 Blockhouse Sweep Checklist

Team leader_____ Operator 2_____

Time:_____ Date:_____

Warning:
ONCE A SWEEP IS COMPLETE, ANY WORKER LEFT IN THE ENCLOSURE MUST HAVE A CA(EB005) KEY.
IF any personnel are encountered during the sweep, **THEN** determine whether their work will be completed in a short time. **IF** the work will take a long time, **THEN** contact the OC to see if the sweep should be aborted or the workers asked to leave to obtain a CA(EB005) key. **IF** the work will be completed in a SHORT time, **THEN** write the name(s) of the workers at the end of the checklist and verify that they leave the enclosure **WITH** the sweep team.

Prerequisites

- Two persons to perform the sweep,
- V1 Blockhouse Sweep Checklist for C-A-OPM-ATT 4.56.aa (one sheet)
- At least one flashlight,
- TLD, Alarming (chirping) Self Reading Dosimeter (SRD)
- Walkie-talkie
- Keys: Controlled Access (EB005) and Sweep/Reset (EB004) keys

Note:
Sweep and Reset V Target Station (VTGE1) before Sweeping and Resetting the V1 Blockhouse enclosures.

Check

____1. Team Leader contacts MCR to verify that U_{DN}/V_1 Primary is in Controlled Access mode.
____2. Team Leader requests simultaneous release for VPGE1 from an operator in MCR.
____3. Team Leader opens VPGE1 by turning the CA(EB005) key in the OPEN key-switch.
____4. Sweep Team passes through VPGE1 and close the door behind them.
____5. Both Operators proceed downstream in the labyrinth to the V1 line.
____6. Team Leader stands static watch at the end of the Labyrinth oppositeV1C1 and gives S/R(EB004) key to operator #2.
____7. Operator #2 walks downstream to V1Q8.
____8. Operator #2 sweeps upstream to V1D4 and starts the sweep by resetting the check station opposite V1D4 using the S/R(EB004) key in the RESET key switch.
____9. Observe that the AREA SECURED amber light is lit for 2 seconds
____10. Operator #2 sweeps upstream to V1D3/V1D4.
____11. Operator 2 passes under the V1 line between V1D3/V1D4 and sweeps the beam right (east) side of the cave.
____12. Operator #2 returns to the west side of the cave.
____13. Operator #2 proceeds to upstream end of the cave and stops at the downstream corner of V1D1.

CONTINUED ON REVERSE SIDE

_____14.   Operator #2 looks under and over V1D1/V1D2 and verifies no personnel are on top of, under or behind those magnets.
_____15.   Operator #2 returns to V1C1 and joins Team Leader.
_____16.   Both Operators sweep up the labyrinth to the VTGE1 labyrinth.
_____17.   Team Leader stands static watch at the mouth of the labyrinth while Operator #2 goes to VTGE1
_____18.   Operator #2 resets check station #2 (right hand side of VTGE1) by turning the S/R (EB004) key in the SWEEP key switch.
_____19.   Observe that the AREA SECURED amber light is lit for 2 seconds.
_____20.   Operator #2 verifies that VTGE1 is reset AND that barricades are in place to prevent access to the target area from above the target.

Note:
If VTGE1 is NOT reset, THEN abort the sweep and follow C-A-OPM-ATT 4.56.z to sweep and reset the area.

_____21.   Operator #2 sweeps out the labyrinth to rejoin Team Leader.
_____22.   Sweep Team sweeps up the labyrinth to INSIDE of VPGE1.
_____23.   Operator #2 ends the sweep by resetting check station #3 by turning the S/R (EB004) key in the SWEEP key switch.
_____24.   Observe that the AREA SECURED amber light is lit.
_____25.   Team Leader Phones MCR and requests Simultaneous Release for VPGE1.

Note:
Operator in MCR must hold VPGE1 PanelView gate release button until told by Team Leader to release the button

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_____26.   Sweep team sweeps through VPGE1.
_____27.   Team Leader informs Operator in MCR when gate is closed.

Note:
Since VPGE1 is a Remote Controlled Access Gate, it may only be reset from the MCR Panel View.

_____28.   Observe the GATE REST light will **NOT** be lit.
_____29.   Observe the AREA SECURED light will be lit
_____30.   Team Leader confirms with an operator in the MCR that the gate is reset and that the sweep is OK, using the MCR PanelView.
_____31.   Sweep Team (at conclusion of all sweeps) returns to MCR.
_____32.   Capture CA (EB005) and S/R (EB004) keys in the key tree.
_____33.   Reset gate VPGE1 in MCR.
_____34.   Confirm gate VPGE1 is reset using PanelView.
_____35.   Team Leader files completed checklist in the Completed Sweep Checklist Binder.